

# 1/8 DIN Panel Meter

## Introduction

A key process value - do your operators have one? Is it easy to monitor? With the GK 1/8 DIN panel meters, featuring big, bright, color-changing displays, keeping track of it is even easier!

Analog input models for temperature, pressure, level, and flow as well as digital input models such as rate meters, indicators, counters and timers are available. These intelligent units offer multiple relay & alarm outputs, optional serial communication, and specialized functions on analog input units. With 13 models to choose from, the process value you require can surely be displayed. The minimum and maximum values along with total alarm time may be saved until re-set.

In fact, your key process value will be displayed on the biggest and brightest 1/8 DIN display in the industry. The GK family features a 0.71" high LED (27% larger than ordinary 1/8 DIN units) with advanced, brilliant red, gallium arsenide technology. Not only is the display large and striking, but it can also change color. The display can be programmed to change from red to green or green to red at a preset value.

Easy programming makes these units even more desirable. All models are programmed via the front panel and are scalable to display inputs in engineering units. In addition to showing parameter values on the primary display, a help function can be utilized to show parameter descriptions. The secondary legend also indicates which value is shown on the primary display via a single digit character.

Detailed specifications and ordering information can be found on the reverse, or by visiting our website at [www.anderson-negele.com](http://www.anderson-negele.com).

## Features

- 27% larger than other 1/8 DIN panel meters - .71" high LED's
- Red display is 20% brighter than other panel meters
- Programmable color change based on an event
- Minimum & maximum values saved until re-set



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**Specifications**

**Unique Model Specifications**

**ANALOG INPUT MODELS**

Sensor/Process Inputs

Type: Temp. Ind.: B, J, K, N, S & T thermocouples, 3 & 4 wire RTDs  
 DC Process: to 50 mA, ±10 VDC, ± 100mV  
 AC Volts/Amps: from 0-1VAC to 0-600 VAC, 0-1mA to 0-1 amp  
 DC Volts/Amps: from 0-100mV to 0-600 VDC, 0-1mA to 0-2 amps  
 Strain Gauge: 0-100 mVDC  
 Accuracy: ±0.1% of span (±0.01% of span for DC Process; ±0.03% of span for Strain Gauge)  
 Sample Rate: 250ms (100ms for DC Process & Strain Gauge)  
 Resolution: 14 bits  
 Sensor Break: Detected w/in 2 secs. (N/A to AC & DC Volts/Amps)

**DIGITAL INPUT MODELS**

Count/Time Inputs

Type: Sinking/Sourcing or Contact Closure (Quadrature for Counters)  
 Frequency: 10 kHz max. (5 kHz max. for Position Indicator)  
 Magnetic Input: 0.5 to 90V peak (only for Rate and Rate w/Total)  
 Logic: Low ≤ 2.0 VDC, High ≤ 3.0  
 Response Time: 25 ms  
 Impedance: 4.7 k-ohms to + Voltage  
 Function: Digital Input Models: Input 1: Remote Reset (Display Hold on Rate Meter Model), Input 2: Security Lockout Analog Input Models: Programmable

**Common Specifications**

**Outputs**

Solid State: NPN open collector, 30 VDC max. 100 mA max.  
 Relay: SPDT, 5A resistive @110 VAC  
 Latency: 75µ seconds, plus 8 ms for relay pull-in (N/A for Totalizer or Counters) 0-20mA, 4-20mA, 0-10V, 2-10V 0-5V, 1-5V (field selectable).

**Electrical**

Supply Voltage: 90-264 VAC, 50-60Hz, or 20-50 VAC/VDC.  
 Power Consumption: 4 Watts  
 Access Power Supply: 9-15 (unregulated VDC), 125mA max. - digital 24 (regulated VDC), 30mA max. - analog

**Display**

Type: Red/Green, 7 segment LED, 5-digit primary display, single digit secondary display  
 Height: 0.71" (18mm) primary display, 0.3" (7mm) secondary display  
 Annunciators: Output 1 & 2 status

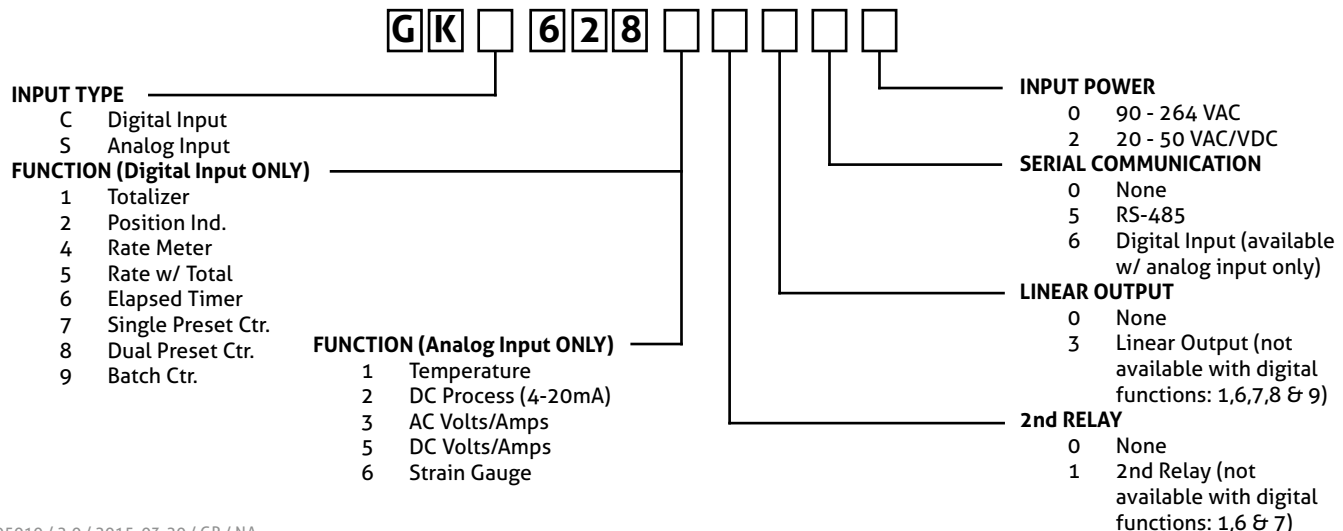
**Physical**

Dimensions: 48mm (1.89") x 96mm (3.78"), 110 mm (4.33") deep  
 Mounting: Panel mount (bracket supplied), 45mm (1.77") x 92mm (3.62") cutout  
 Terminals: Screw type - combination head  
 Front Panel Rating: NEMA 4X / IEC IP65  
 Weight: 0.56 lbs.

**Environmental**

Operating Temp.: 0° to 55° Celsius, 32° to 131° Fahrenheit  
 Storage Temp.: -20° to 80° Celsius, -4° to 176° Fahrenheit  
 Relative Humidity: 20% to 95% non-condensing  
 Approvals: CE

**Order Information**



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